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CLAIMS

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element
of claim!*

What is claimed is:

1. (cancelled)\

5 2. (amended) ~~The A~~ wireless projectile of claim 1 wherein comprising:

a. ~~said~~ an electric circuit ~~is~~ capable of concurrently producing a first carrier frequency of 250 to 500 kHz and being further capable of producing a second frequency of from 10 to 50

10 Hz;

b. said first carrier frequency is capable of being regulated to deliver discharges of from 2 to 45 pulses per second with an initial discharge of up to 8 seconds and at least two subsequent discharges of at least 3 seconds each;

15 c. said electric circuit is further capable of being energized by an independent source of electrical power of from about 1.5 volts to 15 volts;

20 d. said electrical circuit terminates in at least one pair of electrodes and each member of said at least one pair of electrodes is capable of penetrating the skin of a target individual and further is capable of delivering a disabling shock to said target individual;

25 e. said disabling shock is from about 250 volts to about 400 volts and about 3 amps to 15 amps, said disabling shock is delivered concurrently in each of two frequencies by said first carrier frequency and by said second frequency at a specified pulse

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f. said electrical circuit is activated by a proximity sensor and analog switch electrically associated with said two members of a pair of electrodes.

5 3. (withdrawn)

4. (amended) A sub-lethal, wireless projectile adapted to being discharged from a weapon comprising:

10 a. an electrical storage means capable of being connected to a charging power source and of storing electrical energy and delivering concurrent, controlled releases of charges in a first carrier frequency and in a second frequency, of at least 500 volts said charges being at least 400 volts over a minimum period of time of three (3) seconds at 2 millisecond intervals;

15 b. a circuit system electrically connected to said electrical storage means, said circuit system capable of regulating the magnitude and frequency of electrical discharges from said electrical storage system, said circuit system further having a positive electrical pole and a negative electrical pole;

20 c. a least one pair of electrodes fabricated of a conductive material, each member of a pair having a proximal end, a distal end, a length, the proximal end of one member of each of said pair of electrodes being connected to the positive pole of said circuit system and the proximal end of the other member of
25 each pair of said electrodes being connected to the negative pole of said circuit system, and further wherein the distal ends of both

DRAFT

members of all paris of electrodes are shaped to penetrate clothing and flesh and physically to attach to through the skin of a target individual;

5 d. a cylindrical body with a length, a diameter, a front end, a rear end, a front face, a rear face, a longitudinal core defined by the outer wall of said cylindrical body, wherein said electrical storage means and said circuit system are physically positioned and encased in said core of said cylindrical body, and further wherein said distal ends of said pairs of electrodes extend
10 a minimum length of 2.0 cm and said distal end of any of said electrodes is separated from the distal end of any electrode of the opposite polarity by a linear distance of by a distance to facilitate a discharge of at least 350 volts, and further wherein
15 is a flat surface positioned at a right angle to the length of said cylinder body and adapted to delivering a damaging physical blow when said projectile strikes a target individual;

e. a means to electrically connect said electrical storage means to a power source to charge said electrical storage means.

20 5. The wireless, sub-lethal projectile of claim 4 wherein the diameter of said cylindrical casing is from 0.6 4.0 cm.

25 6. The wireless, sub-lethal projectile of claim 4 wherein said electrodes and said cylindrical body are fabricated from material that will not penetrate material such as the exterior skin

layer of commercial aircraft.



7. (withdrawn)

8. (withdrawn)

5 9. (withdrawn)

10. (withdrawn)

11. (withdrawn)

12. (withdrawn)

13. (withdrawn)

10 14. (withdrawn)

15. (cancelled)

16 (new) A wireless projectile comprising:

a. an electric circuit capable of producing a first, carrier frequency of from 250 to 500 kHz and further capable of
15 concurrently producing a second frequency of 15 to 50 Hz; said electric circuit further being capable of regulating said first carrier frequency to deliver discharges of from 2 to 45 pulses per second with an initial discharge of from 2 to 8 seconds duration, and at least 2 subsequent discharges of at least 3 seconds duration
20 each, said electric circuit also being adapted to receiving and storing electrical energy supplied at 1.5 volts to 15 volts by an independent power source, and said electric circuit terminating in at least one pair of electrodes, wherein each member of said at least one pair of electrodes is capable of penetrating the skin of
25 a target individual and capable of delivering a disabling electric shock to said target individual, said disabling shock being

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produced by charged elements of said electric circuit and being
from about 250 volts to 400 volts and from 3 amps to 15 amps, and
said disabling shock being transmitted concurrently by said first
carrier frequency and by said second frequency at a pulse rate of
from 2 to 45 pulses per second, and said electric circuit being
activated by a proximity sensor and analog switch in electrical
communication with said members of said at least one pair of
electrodes; and

b. a projectile body comprising an outer body made from a
material and a longitudinal inner core defined by the outer wall of
said projectile body, wherein said longitudinal core is capable of
receiving and positioning said electric circuit, said projectile
body having a length, a diameter, a front face, and a rear face and
said and said projectile body further being adapted to being
inserted into a casing to form a cartridge.